

Circular Economy Ontology Network (CEON) - Circular Value Network Module

Metadata

IRI

<http://w3id.org/CEON/ontology/cvn/>

Title

Circular Economy Ontology Network (CEON) - Circular Value Network Module

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Version Iri

<http://w3id.org/CEON/ontology/cvn/0.1/>

Version Info

0.1

Preferred Namespace Prefix

cvn

Preferred Namespace Uri

<http://w3id.org/CEON/ontology/cvn/>

Description

A core module of the CEON ontology network, defining aspects of the circular value network (CVN) itself.

Covers Requirements

In addition to requirements covered by imported ODPs, covers the following requirements from Onto-DESIDE D3.1: CVN-CVN-1, CVN-Process-1,6, CVN-VP-1, CVN-Type-3, C0-1.

Classes

Participation ^c	
IRI	http://w3id.org/CEON/ontology/actorODP/Participation

Circular Value Network^C

IRI <http://w3id.org/CEON/ontology/cvn/CVN>

Description An instantiation of a circular value network, i.e. a concrete network of different actors collaborating to achieve some goal.

Sub Class Of [Collaboration^C](#)

In Domain Of [implements blueprint^{OP}](#)
[implements strategy^{OP}](#)

Circular Value Network Blueprint^C

IRI <http://w3id.org/CEON/ontology/cvn/CVNBlueprint>

Description A plan or a pattern of a CVN configuration that can then be filled with actual actors and processes. The blueprint can be used to capture a desired setup of a network, or for reusing patterns of CVNs.

In Domain Of [plans to implement strategy^{OP}](#)

In Range Of [implements blueprint^{OP}](#)

Circular Strategy^C

IRI <http://w3id.org/CEON/ontology/cvn/CircularStrategy>

Description A circular strategy, such as to recycle, reuse or refurbish something.

In Range Of [implements strategy^{OP}](#)
[plans to implement strategy^{OP}](#)

Collaboration^C

IRI <http://w3id.org/CEON/ontology/cvn/Collaboration>

Super Class Of [Circular Value Network^C](#)

Process^C

IRI <http://w3id.org/CEON/ontology/process/Process>

Resource^c

IRI <http://w3id.org/CEON/ontology/resourceODP/Resource>

Value^c

IRI <http://w3id.org/CEON/ontology/value/Value>

In Range Of [creates value^{op}](#)

Value Proposition^c

IRI <http://w3id.org/CEON/ontology/value/ValueProposition>

In Range Of [aims at value^{op}](#)

Object Properties

aims at value^{op}

IRI <http://w3id.org/CEON/ontology/cvn/aimsAtValue>

Description The value proposition that the planned abstract CVN configuration, or concrete network wants to achieve.

Domain [Circular Value Network Blueprint^c](#) or [Circular Value Network^c](#)

Range [value:ValueProposition^c](#)

composed of^{op}

IRI <http://w3id.org/CEON/ontology/cvn/composedOf>

Description Both a CVN and a process can be composed of other CVNs or processes.

Domain [Circular Value Network^c](#) or [process:Process^c](#)

Range [Circular Value Network^c](#) or [process:Process^c](#)

creates value^{op}

IRI	http://w3id.org/CEON/ontology/cvn/createsValue
Description	Value creation can be captured at the actor level, i.e. value created by an actor's participation in a collaboration, or at the process or complete CVN level.
Domain	actorODP:Participation^c or process:Process^c or Circular Value Network^c
Range	value:Value^c

implements blueprint^{op}

IRI	http://w3id.org/CEON/ontology/cvn/implementsBlueprint
Description	The blueprint (or plan) that this concrete CVN is an instance of.
Domain	Circular Value Network^c
Range	Circular Value Network Blueprint^c

implements strategy^{op}

IRI	http://w3id.org/CEON/ontology/cvn/implementsStrategy
Description	A strategy that is implemented by this CVN or CVN blueprint.
Sub Property Of	related strategy^{op}
Domain	Circular Value Network^c
Range	Circular Strategy^c

plans to implement strategy^{op}

IRI	http://w3id.org/CEON/ontology/cvn/plansToImplementStrategy
Description	A strategy that is planned to be implemented by this CVN or CVN blueprint.
Sub Property Of	related strategy^{op}
Domain	Circular Value Network Blueprint^c
Range	Circular Strategy^c

related strategy^{op}

IRI <http://w3id.org/CEON/ontology/cvn/relatedStrategy>

Description A strategy that is targeted by this CVN or CVN blueprint.

Super Property Of

- [implements strategy^{op}](#)
- [plans to implement strategy^{op}](#)

Annotation Properties

contributor^{ap}

IRI <http://purl.org/dc/terms/contributor>

creator^{ap}

IRI <http://purl.org/dc/terms/creator>

description^{ap}

IRI <http://purl.org/dc/terms/description>

title^{ap}

IRI <http://purl.org/dc/terms/title>

preferred namespace prefix^{ap}

IRI <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri^{ap}

IRI <http://purl.org/vocab/vann/preferredNamespaceUri>

Namespaces

:

<http://w3id.org/CEON/ontology/cvn/>

actor

<http://w3id.org/CEON/ontology/actor/>

actorODP

<http://w3id.org/CEON/ontology/actorODP/>

dcterms

<http://purl.org/dc/terms/>

odp

<http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#>

owl

<http://www.w3.org/2002/07/owl#>

process

<http://w3id.org/CEON/ontology/process/>

prov

<http://www.w3.org/ns/prov#>

rdf

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

rdfs

<http://www.w3.org/2000/01/rdf-schema#>

resourceODP

<http://w3id.org/CEON/ontology/resourceODP/>

value

<http://w3id.org/CEON/ontology/value/>

vann

<http://purl.org/vocab/vann/>

xsd

<http://www.w3.org/2001/XMLSchema#>

Legend

c

Classes

op

Object Properties

ap

Annotation Properties